

S/N 09/945,479

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Hui Hu et al.	Examiner:	Krisna Lim
Serial No.:	09/945,479	Group Art Unit:	2153
Filed:	August 31, 2001	Docket:	543.019US1
Title:	ON-LINE IMAGE PROCESSING AND COMMUNICATION SYSTEM		

INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No :09/945,479

Filing Date: August 31, 2001

Title: ON-LINE IMAGE PROCESSING AND COMMUNICATION SYSTEM

Page 2

Dkt: 543.019US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any U.S. Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).


The Examination is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

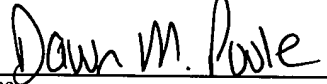
HUI HU ET AL.

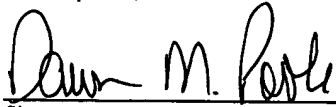
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6951

Date September 16, 2005 By 
Suneel Arora
Reg. No. 42,267

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 16th day of September, 2005.


Name


Signature

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**
 (Use as many sheets as necessary)



Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 1 of 11

Attorney Docket No: 543.019US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2001/0013128 A1	08/09/2001	Hagai, M., et al.	12/20/2000
	US-2001/0037402 A1	11/01/2001	Schneider, B.-O.	06/25/1998
	US-2002/0005850 A1	01/17/2002	Osborne, R. B., et al.	05/22/2001
	US-2002/0069400 A1	06/06/2002	Miloushev, V. I., et al.	02/09/2001
	US-2003/0086595 A1	05/08/2003	Hu, H., et al.	11/07/2001
	US-2003/0156745 A1	08/21/2003	Saito, M., et al.	09/10/2002
	US-4,222,076	09/09/1980	Knowlton, K. C., et al.	09/15/1978
	US-4,475,104	10/02/1984	Shen, T. Y.	01/17/1983
	US-4,625,289	11/25/1986	Rockwood, A. P.	01/09/1985
	US-4,737,921	04/12/1988	Goldwasser, S. M., et al.	06/03/1985
	US-4,748,511	05/31/1988	Nicols, J. L., et al.	06/07/1984
	US-4,910,609	03/20/1990	Nicholas, J. L., et al.	02/08/1988
	US-4,985,856	01/15/1991	Kaufman, Arie E., et al.	11/10/1988
	US-4,987,554	01/22/1991	Kaufman, Arie E.	08/24/1998
	US-5,005,126	04/02/1991	Haskin, M. E.	05/31/1988
	US-5,027,110	06/25/1991	Chang, C. L., et al.	06/25/1991
	US-5,038,302	08/06/1991	Kaufman, Arie E.	07/26/1998
	US-5,101,475	03/31/1992	Kaufman, Arie E., et al.	04/17/1989
	US-5,235,510	08/10/1993	Yamada, S., et al.	11/22/1991
	US-5,291,401	03/01/1994	Robinson, B. T.	11/15/1991
	US-5,297,034	03/22/1994	Weinstein, R. S.	01/05/1993
	US-5,321,520	06/14/1994	Inga, J. J., et al.	07/20/1992
	US-5,339,812	08/23/1994	Hardy, T. L., et al.	12/14/1992
	US-5,360,971	11/01/1994	Kaufman, A. A., et al.	01/19/1993
	US-5,408,249	04/18/1995	Wharton, D. B., et al.	11/24/1993
	US-5,432,871	07/11/1995	Novik, D. A.	08/04/1993
	US-5,441,047	08/15/1995	David, D., et al.	05/25/1993
	US-5,442,733	08/15/1995	Kaufman, Arie E., et al.	03/20/1992

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 2 of 11

Attorney Docket No: 543.019US1

	US-5,469,353	11/21/1995	Pinsky, H., et al.	11/26/1993
	US-5,482,043	01/09/1996	Zulauf, D. R.	05/11/1994
	US-5,490,221	02/06/1996	Ransford, G. A., et al.	02/28/1992
	US-5,497,435	03/05/1996	Beger, M. A.	02/23/1993
	US-5,513,101	04/30/1996	Pinsky, H., et al.	06/07/1995
	US-5,517,021	05/14/1996	Kaufman, A. A., et al.	10/28/1994
	US-5,544,283	08/06/1996	Kaufman, Arie E., et al.	07/26/1993
	US-5,590,271	12/31/1996	Klinker, G. J.	12/31/1996
	US-5,594,842	01/14/1997	Kaufman, A. E., et al.	09/06/1994
	US-5,594,935	01/14/1997	Reber, W. L., et al.	05/12/1995
	US-5,596,994	01/28/1997	Bro, William L.	05/02/1994
	US-5,603,323	02/18/1997	Pflugrath, L. S., et al.	02/27/1996
	US-5,644,645	07/01/1997	Osuga, Y.	08/22/1994
	US-5,649,173	07/15/1997	Lentz, D.	03/06/1995
	US-5,655,084	08/05/1997	Pinsky, H., et al.	03/01/1996
	US-5,660,176	08/26/1997	Iliff, E. C.	12/29/1993
	US-5,682,328	10/28/1997	Roeber, F. J., et al.	09/11/1996
	US-5,715,823	02/10/1998	Wood, M. A., et al.	09/25/1996
	US-5,730,146	03/24/1998	Itil, T. M., et al.	02/09/1994
	US-5,740,267	04/14/1998	Echerer, S. J., et al.	11/15/1994
	US-5,755,577	05/26/1998	Gillio, R. G.	07/11/1996
	US-5,760,781	06/02/1998	Kaufman, Arie E., et al.	09/30/1997
	US-5,791,908	08/11/1998	Gillio, R. G.	07/11/1996
	US-5,805,118	09/08/1998	Mishra, P., et al.	12/22/1995
	US-5,836,877	11/17/1998	Zavislan, J. M.	02/24/1997
	US-5,838,906	11/17/1998	Doyle, M., et al.	10/17/1994
	US-5,847,711	12/08/1998	Kaufman, Arie E., et al.	08/01/1997
	US-5,882,206	03/16/1999	Gillio, R. G.	03/29/1995
	US-5,883,976	03/16/1999	Ohsawa, H.	12/22/1995
	US-5,903,775	05/11/1999	Murray,	06/06/1996
	US-5,917,929	06/29/1999	Marshall, J., et al.	07/23/1996
	US-5,971,767	10/26/1999	Kaufman, Arie E., et al.	09/16/1996
	US-5,986,662	11/01/1999	Argiro, V. J., et al.	10/16/1996
	US-5,987,345	11/16/1999	Engelmann, R., et al.	11/29/1996
	US-6,008,813	12/28/1999	Lauer, H. C., et al.	08/01/1997
	US-6,070,195	05/30/2000	Yamamoto, K	01/29/1998
	US-6,195,340	02/27/2001	Hatayama,	
	US-6,211,884	04/03/2001	Knittel, J., et al.	11/12/1998
	US-6,219,061	04/17/2001	Lauer, H. C., et al.	05/25/1999
	US-6,230,162	05/08/2001	Kumar, K., et al.	06/20/1998
	US-6,243,098	06/05/2001	Lauer, H. C., et al.	05/25/1999
	US-6,260,021	07/10/2001	Wong, S., et al.	06/12/1998
	US-6,262,740	07/17/2001	Lauer, H. C., et al.	05/25/1999

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 3 of 11

Attorney Docket No: 543.019US1

	US-6,266,733	07/24/2001	Knittel, J., et al.	11/12/1998
	US-6,272,470	08/07/2001	Teshima, F.	09/03/1997
	US-6,283,322	09/04/2001	Liff, Harold J., et al.	02/29/2000
	US-6,283,761	09/04/2001	Joao, R. A.	12/31/1999
	US-6,289,115	09/11/2001	Takeo, H.	02/12/1999
	US-6,293,842	09/25/2001	Belt, F. C.	07/13/2000
	US-6,297,799	10/02/2001	Knittel, J., et al.	11/12/1998
	US-6,310,620	10/30/2001	Lauer, H. C., et al.	12/22/1998
	US-6,313,841	11/06/2001	Ogata, M., et al.	04/13/1998
	US-6,331,116	12/18/2001	Kaufman, Arie E., et al.	06/29/1999
	US-6,342,885	01/29/2002	Knittel, J. M., et al.	05/20/1999
	US-6,343,936	02/05/2002	Kaufman, Arie E., et al.	01/28/2000
	US-6,344,861	02/05/2002	Naughton, P. J., et al.	07/28/2000
	US-6,356,265	03/12/2002	Knittel, J. M., et al.	05/20/1999
	US-6,362,620	03/26/2002	Debbins, Josef P., et al.	12/27/1999
	US-6,369,812	04/09/2002	Iyriboz, T. A., et al.	11/26/1997
	US-6,369,816	04/09/2002	Knittel, J. M., et al.	05/20/1999
	US-6,381,029	04/30/2002	Tipirneni, K.	12/23/1998
	US-6,404,429	06/11/2002	Knittel, J. M.	05/20/1999
	US-6,407,737	06/18/2002	Zhao, T., et al.	05/20/1999
	US-6,411,296	06/25/2002	Knittel, J. M., et al.	05/20/1999
	US-6,421,057	07/16/2002	Lauer, H. C., et al.	07/15/1999
	US-6,424,346	07/23/2002	Correll, K. W., et al.	07/15/1999
	US-6,426,749	07/30/2002	Knittel, J. M., et al.	05/20/1999
	US-6,476,810	11/05/2002	Simha, V., et al.	07/15/1999
	US-6,483,507	11/19/2002	Osborne, R. B., et al.	05/22/2001
	US-6,512,517	01/28/2003	Knittel, J. M., et al.	05/20/1999
	US-6,514,082	02/04/2003	Kaufman, Arie E., et al.	10/10/2001
	US-6,532,017	03/11/2003	Knittel, J. M., et al.	05/20/1999
	US-6,614,447	09/02/2003	Bhatia, V. C., et al.	10/04/2000
	US-6,654,012	11/25/2003	Lauer, H. C., et al.	10/01/1999
	US-6,674,430	01/06/2004	Kaufman, Arie E., et al.	07/16/1999
	US-6,680,735	01/20/2004	Seiler, L. D., et al.	11/17/2000
	US-6,683,933	01/27/2004	Saito, M., et al.	05/01/2002
	US-6,704,024	03/09/2004	Robotham, J. S., et al.	11/29/2000
	US-6,760,755	07/06/2001	Brackett, C. C.	09/22/2000
	US-6,826,297	11/30/2004	Saito, M., et al.	05/18/2001
	US-6,826,669	11/30/2004	Le, C. H., et al.	05/06/2002
	US-6,847,365	01/25/2005	Miller, R. G., et al.	01/03/2000
	US-6,847,462	01/25/2005	Kacyra, B. K., et al.	10/23/1998

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 4 of 11

Attorney Docket No: 543.019US1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0903694A1	03/24/1999	Lauer, H. C.	
	EP-1001369A2	05/17/2000	Kappler, C J.	
	EP-1001375A2	05/17/2000	Simha, V., et al.	
	EP-1001377A2	05/17/2000	Peet, W., et al.	
	EP-1001379A2	05/17/2000	Knittel, J., et al.	
	EP-1001380A2	05/17/2000	Osborne, R. B., et al.	
	EP-1054347A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054348A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054349A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054351A2	11/22/2000	Knittel, J. M.	
	EP-1054355A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054356A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054357A2	11/22/2000	Knittel, J. M.	
	EP-1054358A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054359A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054383A2	11/22/2000	Knittel, J. M., et al.	
	EP-1054384A2	11/22/2000	Correll, K. W., et al.	
	EP-1054385A2	11/22/2000	Correll, K. W., et al.	
	EP-1069528A2	01/17/2001	Correl, K. W., et al.	
	EP-1069530A2	01/17/2001	Gasparakis, C. E., et al.	
	EP-1069532A2	01/17/2001	Knittel, J. M., et al.	
	EP-1071041A2	01/24/2001	Shimha, V., et al.	
	EP-1081651A2	03/07/2001	Lauer, H. C., et al.	
	EP-1081652A2	03/07/2001	Lauer, H. C., et al.	
	EP-1081653A2	03/07/2001	Lauer, H. C., et al.	
	EP-1089225A2	04/04/2001	Seiler, L. D., et al.	
	EP-1089234A2	04/04/2001	Seiler, L. D., et al.	
	EP-1089235A2	04/04/2001	Lauer, H. C., et al.	
	EP-1093085A2	04/18/2001	Seiler, L. D., et al.	
	EP-1195717A2	04/10/2002	Seiler, L. D., et al.	
	EP-1195718A2	04/10/2002	Yeager, M. O., et al.	
	EP-1195719A2	04/10/2002	Lauer, H. C., et al.	
	EP-1195720A2	04/10/2002	Seiler, L. D., et al.	
	EP-1209618A1	05/29/2002	Lauer, H. C., et al.	
	EP-1209629A1	05/29/2002	Lauer, H. C., et al.	
	JP-11-239165 (w/ English Abstract)	08/31/1999	Hideya, T.	
	JP-2002-183746 (w/ English Abstract)	06/28/2002	Lauer, H. C., et al.	
	JP-2002-183747 (w/ English Abstract)	06/28/2002	Lauer, H. C., et al.	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 60%; padding: 2px;">Application Number</td> <td style="padding: 2px;">09/945,479</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">August 31, 2001</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">Hu, Hui</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">2153</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Lim, Krisna</td> </tr> </table>	<i>Complete if Known</i>		Application Number	09/945,479	Filing Date	August 31, 2001	First Named Inventor	Hu, Hui	Group Art Unit	2153	Examiner Name	Lim, Krisna
<i>Complete if Known</i>													
Application Number	09/945,479												
Filing Date	August 31, 2001												
First Named Inventor	Hu, Hui												
Group Art Unit	2153												
Examiner Name	Lim, Krisna												
Sheet 5 of 11	Attorney Docket No: 543.019US1												

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"2D and 3D Progressive Transmission Using Wavelets", www.cs.wpi.edu/~matt/courses/cs563/talks/Wavelet Presentation/ (03/25/1997),1-6	
		"A Brief Description of the Gibabit Testbed Initiative", http://www0.cnri.reston.va.us/overview/html,(observed July 15, 1999),7 pgs.	
		"A Prototype Distributed Visualization System", http://www.hpcc.arc.nasa.gov/reports/annrep97/ess/ww42.htm,(observed October 5, 1999),11 pgs.	
		"Adding Data Visualization to Instrumentation", (Advanced Visual Systems, Inc.) http://www.avs.com/solution/success/papers/testmea.htm,(observed July 15, 1999),6 pgs.	
		"An Interactive Remote Visualization Environment for an Electromagnetic Scattering Simulation on a High Performance Computing System", http://www.npac.syr.edu/users/gcheng/CEM/ems.html,(observed July 14, 1999),2 pgs.	
		"Argonne-USC Researchers Win GII Next Generation Award for Advanced Computing Infrastructure", http://www.npaci.edu/News/98/042298-gusto.html,(observed July 15, 1999),2 pgs.	
		"Corridor One: An Integrated Distance Visualization Environment for SSI and ASCI Applications", (Proposal to DOE 99-09) http://www-fp.mcs.anl.gov/fl/research/Proposals/co.htm,(observed October 5, 1999),29 pgs.	
		"Demand for General Availability of Visualization Techniques", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto-3.html,(observed July 15, 1999),1 pg.	
		"Department of Defense High-Performance Computing Modernization Office", http://www.ncsa.uiuc.edu/Vis/PET/,(observed July 15, 1999),1 pg.	
		"Distributed Visualization Task - 1995 HPCC Annual Review Reports", http://olympic.jpl.nasa.gov/Reports/Highlights95/ML_DVT.html,(observed July 15, 1999),1 pg.	
		"DOD PET - Trends in Graphics and Visualization", http://www.ncsa.uiuc.edu/Vis/Publications/trends.html,(Janary, 1998),3 pgs.	
		"DOD PET Strategic Plan for Visualization", http://www.ncsa.uiuc.edu/Vis/PET/strategy.html,(observed July 15, 1999),1 pg.	
		"DOD PET Visualization Plan, PET Initiatiives", http://www.ncsa.uiuc.edu/Vis/PET/timelineEfforts.html,(observed July 15, 1999),1 pg.	
		"DOD PET Visualization Plan, Technology Trends", http://www.ncsa.uiuc.edu/Vis/PET/timelineTrends.html,(observed July 15, 1999),1 pg.	
		"DOD Pet Visualization Plan, User Needs", http://www.ncsa.uiuc.edu/Vis/PET/timelineNeeds.html,(observed July 15, 1999),1 pg.	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 60%;">Application Number</td> <td>09/945,479</td> </tr> <tr> <td>Filing Date</td> <td>August 31, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Hu, Hui</td> </tr> <tr> <td>Group Art Unit</td> <td>2153</td> </tr> <tr> <td>Examiner Name</td> <td>Lim, Krisna</td> </tr> </table>	<i>Complete if Known</i>		Application Number	09/945,479	Filing Date	August 31, 2001	First Named Inventor	Hu, Hui	Group Art Unit	2153	Examiner Name	Lim, Krisna
<i>Complete if Known</i>													
Application Number	09/945,479												
Filing Date	August 31, 2001												
First Named Inventor	Hu, Hui												
Group Art Unit	2153												
Examiner Name	Lim, Krisna												
Sheet 6 of 11	Attorney Docket No: 543.019US1												

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"EMERGE - Application Projects/Toolkits that will be deployed over EMERGE", http://www.evl.uic.edu/cavern/EMERGE/applications.html , (observed October 7, 1999), 2 pgs.	
		"ERSUG Meeting Minutes", http://home.nersc.gov/about/ERSUG/meeting_info/Apr98_minutes.html , (observed July 15, 1999), 6 pgs.	
		"Experiments in Remote Visualization", http://woodall.ncsa.uiuc.edu/dbock/projects/RemoteViewIndex.html , (observed July 14, 1999), 2 pgs.	
		"Gibabit Testbeds Final Report", http://www.cnri.reston.va.us/gigafr/noframes/section-4-25.htm , (observed July 14, 1999), 4 pgs.	
		"H Innovation Trade Show Brochure", (2001), 2 Pages	
		"High Performance Internet Access for Research and Education in Science and Engineering", (The State University of New Jersey - Rutgers - Grant Proposal) http://ephesus.rutgers.edu/hypernet/origprop.net , (observed July 15, 1999), 10 pgs.	
		"HP Internet Philanthropic Initiative - 1998 Update", http://www.infomed.dia.fi.upm.es/english/HP/proposal1998.html , (observed October 5, 1999), 8 pgs.	
		"Internet 2 Research Applications", (University of Alabama at Birmingham) http://www.uab.edu/internet2/meritapps1.html , (observed July 15, 1999), 1 pg.	
		"Introduction - Data Visualization", http://www.npac.syr.edu/users/gcheng/homepage/thesis/node27.html , (observed July 15, 1999), 2 pgs.	
		"NCSA Report, SIGGRAPH 98: Visualization Software", http://www.ncsa.uiuc.edu/Vis/Publications/SIGGRAPH98/s10.html , (observed July 15, 1999), 1 pg.	
		"NCSA Vis&VE Trip Report: IEEE VR 99 (nee VRAIS99)", http://www.ncsa.uiuc.edu/Vis/Trips/VR99.html , (observed July 15, 1999), 12 pgs.	
		"NCSA Visualization and Virtual Environments", http://www.ncsa.uiuc.edu/Vis/ , (observed July 15, 1999), 2 pgs.	
		"Next Generation Internet - 1999 Program", http://www.er.doe.gov/production/octr/mies/press99-09.html , (observed October 12, 1999), 2 pgs.	
		"Northeast Parallel Architectures Center - Projects", http://www.npac.syr.edu/Projects/index.html , (observed July 15, 1999), 4 pgs.	
		"Northeast Parallel Architectures Center - Mission", http://www.npac.syr.edu/Mission/index.html , (observed October 12, 1999), 1 pg.	
		"Notice Inviting Research Grant Applications", <u>Federal Register</u> , Vol. 64, No. 5, (January 8, 1999), 3 pgs.	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 60%; padding: 2px;">Application Number</td> <td style="padding: 2px;">09/945,479</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">August 31, 2001</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">Hu, Hui</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">2153</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Lim, Krisna</td> </tr> </table>	<i>Complete if Known</i>		Application Number	09/945,479	Filing Date	August 31, 2001	First Named Inventor	Hu, Hui	Group Art Unit	2153	Examiner Name	Lim, Krisna
<i>Complete if Known</i>													
Application Number	09/945,479												
Filing Date	August 31, 2001												
First Named Inventor	Hu, Hui												
Group Art Unit	2153												
Examiner Name	Lim, Krisna												
Sheet 7 of 11	Attorney Docket No: 543.019US1												

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"PACS - Picture Archiving and Communications Systems", http://www.medfusion.com/Arena/PACS/pacs.html , (observed October 12, 1999), 1 pg.	
		"Progressive Image Transmission", www.vision.ee.ethz.ch/~rsia/talks/RSL_talk/pit_3.html , 1 pg.	
		"Rationale for a WWW-Based Visualization Service", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto-2.html , (observed July 15, 1999), 1 pg.	
		"Scientific Visualization Sites (Mirror)", http://puh.cb.uu.se/~rogerh/visWeblets.html , (observed October 5, 1999), 5 pgs.	
		"TeraRecon's AquariusNET™ Server", (2002), 7 pgs.	
		"The Clinical Practice Guidelines Project", http://www.infomed.dia.fi.upm.es/english/guidelines.html , (observed October 7, 1999), 2 pgs.	
		"The Realization Report: Issue No. 3", http://www.itd.nrl.navy.mil/ONR/realization_report/rosenblum.003.html , (observed July 15, 1999), 4 pgs.	
		"Use of Remote Visualization Methods", http://www.ts.go.dlr.de/sm-sk_info/library/documents/EGSciVis97/VaWX5Fproto-4.html , (observed July 15, 1999), 1 pg.	
		"Vol. III - Technical Proposal for Collaborative Interaction and Visualization", (BAA 93-01-PKRD) http://www.npac.syr.edu/users/gcf/romelabciv/prop.html , (observed October 12, 1999), 28 pgs.	
		"Web-Based Visualization Server for 3D Reconstruction", http://felix.uttgm.ro/~dradoiu/ip/Laborator/application.html , (observed October 12, 1999), 4 pgs.	
		ANG, C. S., et al., "Integrated Control of Distributed-Volume Visualization Through the World-Wide-Web", <u>Proceedings of the IEEE Conference Visualization '94</u> , (1994), 13-20	
		BAJAJ, C. L., et al., "The VAIDAK Medical Image Model Reconstruction Toolkit", <u>Proceedings of the 8th SIGAPP Symposium on Applied Computing</u> , (Abstract Only), (1993), 1 pg.	
		BAKER, M. P., et al., "Battleview: Touring a Virtual Battlefield", http://www.ncsa.uiuc.edu/Vis/Publications/bv98.html , (observed July 15, 1999), 5 pgs.	
		BAKER, M. P., et al., "Visualization of Damaged Structures", http://www.ncsa.uiuc.edu/Vis/Publications/damage.html , (observed July 15, 1999), 6 pgs.	
		BOCK, D., et al., "Collaborative Visualization", http://www.ncsa.uiuc.edu/Vis/Publications/collabFramework.html , (observed July 15, 1999), 6 pgs.	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/945,479
Filing Date	August 31, 2001
First Named Inventor	Hu, Hui
Group Art Unit	2153
Examiner Name	Lim, Krisna

Sheet 8 of 11

Attorney Docket No: 543.019US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BOCK, D., "Remote Visualization Using the World Wide Web", http://www.ncsa.uiuc.edu/Vis/Publications/remoteVisHTTP.html , (observed July 15, 1999), 5 pgs.	
		BOSSART, P.-L., "Hypertools in Image and Volume Visualization", <u>Proceedings of the Fourth Annual Tcl.Tk Workshop, (Abstract Only)</u> , (1996), 1 pg.	
		CASEY, B., "HInnovation Adds Internet Wrinkle to 3-D Imaging", http://www.auntminnie.com/index.asp?sec=rca&sub=def&pag=dis&ItemID=50700 , (observed December 11, 2002), 1 pg.	
		CAVANAGH, P. M., et al., "Commentary - Delivering Imaging to Primary Care in the Next Millennium", <u>The British Journal of Radiology</u> , 71, (1998), 805-807	
		CHEN, L. S., et al., "A Distributed and Interactive Three-Dimensional Medical Image System", <u>Computerized Medical Imaging and Graphics</u> , 18(5), (1994), 325-337	
		CIMINO, C., et al., "Clinical Applications of an ATM/Ethernet Network in Departments of Neuroradiology and Radiotherapy", <u>Stud Health Technol Inform.</u> , 43(Part B), (1997), 606-610	
		COLEMAN, J., et al., "TeleInViVo: A Collaborative Volume Visualization Application", <u>Stud Health Technol Inform.</u> 39, (1997), 115-124	
		ĆOSIĆ, D., "An Open Medical Imaging Workstation Architecture for Platform-Independent 3-D Medical Image Processing and Visualization", <u>IEEE Transactions on Information Technology in Biomedicine</u> , 1(4), (1997), 279-83	
		DOBBINS, H., et al., "Multisite Three-Dimensional Brain Visualization", http://www.uab.edu/internet2/ala_tele-collaboration.html , (observed October 12, 1999), 1 pg.	
		EICHELBERG, M., et al., "RETAIN: Multimedia Teleradiology on the Pan-European Information Superhighway", <u>CAR' 96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only)</u> , (1996), 1 pg.	
		FERNANDEZ, I., et al., "ARMEDA: Accessing Remote Medical Databases Over the World Wide Wide", http://www.infomed.dia.fi.upm.es/Armeda/armeda_MIE97.html , (observed October 7, 1999), 4 pgs.	
		FURUIE, S., et al., "Telemedicine: Remote Analysis and Quantification of Nuclear Medicine Images Using Java", http://incor.usp.br/spdweb/projects/p22/p22.html , (observed October 12, 1999), 2 pgs.	
		HENDIN, O., et al., "Medical Volume Rendering Over the WWW Using VRMP and JAVA", <u>Stud Health Technol Inform.</u> , 50, (1998), 34-40	
		HENRI, C. J., et al., "Design and implementation of World Wide Web-based tools for image management in computed tomography, magnetic resonance imaging, and ultrasonography", <u>Journal of Digital Imaging</u> , 10(3 Suppl 1), (1997), 77-79	

EXAMINER

DATE CONSIDERED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	09/945,479
	Filing Date	August 31, 2001
	First Named Inventor	Hu, Hui
	Group Art Unit	2153
	Examiner Name	Lim, Krisna
Sheet 9 of 11	Attorney Docket No: 543.019US1	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HIGHTOWER, D., et al., "Computer Radiology: Ship to Shore", <u>CAR '96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only), (1996), 1 pg.</u>	
		KIM, N., et al., "Web Based 3-D Medical Image Visualization on the PC", <u>Proceedings of the 9th World Congress on Medical Informatics MEDINFO '98, 9 (Part 2), (1998), 1105-1110</u>	
		KINDRATENKO, V., et al., "Sharing Virtual Environments Over a Transatlantic ATM Network in Support of Distant Collaboration in Vehicle Design", <u>http://www.ncsa.uiuc.edu/VEG/DVR/VE98/article.html, (observed July 15, 1999), 8 pgs.</u>	
		LEE, J. S., et al., "Volumetric Visualization of Head and Neck CT Datas for Treatment Planning", <u>International Journal of Radiology, Oncology, Biology, Physics, 44(3), (Abstract Only), (1999), 2 pgs.</u>	
		LEIGH, J., et al., "LIMBO/VTX: A Tool for Rapid Tele-Immersive Visualization", <u>Proceedings of IEEE Visualization '98, (1998), 4 pgs.</u>	
		LIU, P.-W., et al., "Distributed Computing: New Power for Scientific Visualization", <u>IEEE Computer Graphics and Applications, 16(30), (1996), 42-51</u>	
		LU, T., et al., "Compression Techniques in Teleradiology", <u>Proceedings of the SPIE (Vol. 3808), Applications of Digital Image Processing XXII, (Abstract Only), (1999), 1 pg.</u>	
		MACEDONIA, M. R., et al., "A Transatlantic Research and Development Environment", <u>IEEE Computer Graphics and Applications, 17(2), (1997), 76-82</u>	
		MAKRIS, L., et al., "Teleworks: A CSCW Application for Remote Medical Diagnosis Support and Teleconsultation", <u>IEEE Transactions on Information Technology in Biomedicine, 2(2), (June, 1998), 62-73</u>	
		MALASSIOTIS, S., et al., "Coding and Visualization of 3D Medical Data for Low Bitrate Communication", <u>CAR '96 Computer Assisted Radiology. Proceedings of the International Symposium on Computer and Communication Systems for Image Guided Diagnosis and Therapy, (Abstract Only), (1996), 1 pg.</u>	
		MÄRKLE, S., et al., "Distributed Visualization - How to improve the quality of 3D medical volume rendering at almost no costs", <u>Europacs, October, 1998,</u>	
		MARTIN, D. C., et al., "Libraries in the Information Age", <u>http://www.ckm.ucsf.edu/papers/LibraryInformationAge/, (observed October 5, 1999), 3 pgs.</u>	
		MERCURIO, P. J., et al., "The Distributed Laboratory: An Interactive Visualization Environment for Electron Microscope and 3D Imaging", <u>http://www.acm.org/pubs/toc/Abstracts/cacm/129891.html, (observed July 15, 1999), 2 pgs.</u>	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">Complete if Known</td> </tr> <tr> <td style="width: 60%; padding: 2px;">Application Number</td> <td style="padding: 2px;">09/945,479</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">August 31, 2001</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">Hu, Hui</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">2153</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Lim, Krisna</td> </tr> </table>	Complete if Known		Application Number	09/945,479	Filing Date	August 31, 2001	First Named Inventor	Hu, Hui	Group Art Unit	2153	Examiner Name	Lim, Krisna
Complete if Known													
Application Number	09/945,479												
Filing Date	August 31, 2001												
First Named Inventor	Hu, Hui												
Group Art Unit	2153												
Examiner Name	Lim, Krisna												
Sheet 10 of 11	Attorney Docket No: 543.019US1												

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MUN, S. K., et al., "Health Care Using High-Bandwidth Communication to Overcome Distance and Time Barriers for the Department of Defense", <u>Proceedings of the SPIE (Vol. 1785) - Enabling Technologies for High-Bandwidth Applications, (Abstract Only)</u> , (1993), 1 pg.	
		NAPEL, S., "3D Displays for Computed Tomography", In: <u>Medical CT and Ultrasound: Current Technology and Applications</u> , Published by Advanced Medical Publishing, (1995), 603-626	
		NORRIS, P. R., et al., "Reliable Remote Visualization of Real-Time Biomedical Data", (Abstract Only), (1998), 1 pg.	
		ORPHANOUDAKIS, S. C., et al., "Technological advances in teleradiology", <u>European Journal of Radiology</u> , 22(3), (June 1996), 205-217	
		PANDYA, A. S., et al., "3D Reconstruction, Visualization, and Measurement of MRI Images", <u>Proceedings of the SPIE (Vol. 3640) - Three-Dimensional Image Capture and Applications II, (Abstract Only)</u> , (1999), 1 pg.	
		PELIZZARI, S. A., et al., "Volumetric Visualization of Anatomy for Treatment Planning", <u>International Journal of Radiation, Oncology, Biology, Physics</u> , 34(1), (Abstract Only), (1996), 2 pgs.	
		PHALKE, V., "Remote Visualization for Computational Simulations", http://www.science.doe.gov/sbir/awards_abstracts/sbir/cycle16/phase1/024.htm , (observed October 12, 1999), 1 pg.	
		PRIOR, F., et al., "Communication Technology for Telemedicine", <u>Proceedings of the National Forum: Military Telemedicine On-line Today Research Practice and Opportunities</u> , (1995), 1 pg.	
		RHEE, T. H., et al., "An Effective Visualization Technique for Huge Volume Data", <u>Journal of KISS(A) (Computer Systems and Theory)</u> , (Abstract Only), (1997), 1 pg.	
		ROBB, R. A., et al., "Patient-Specific Anatomic Models from Three Dimensional Medical Image Data for Clinical Applications in Surgery and Endoscopy", <u>Journal of Digital Imaging</u> , 10(3,1), (Abstract Only), (1997), 1 pg.	
		ROUSH, W., "To Johnson, the Grid Means Access", <u>NAS News</u> , (1999), 2 pgs.	
		RUGGIERO, C., "Teleradiology: A Review", <u>Journal of Telemedicine and Telecare</u> , 4, (1998), 25-35	
		SAKAMOTO, Y., et al., "Three-Dimensional Segmentation of Magnetic Resonance Images Using Neural Network", <u>Proceedings of ACCV '95. Second Asian Conference on Computer Vision, Vol. 1, (Abstract Only)</u> , (1995), 1 pg.	
		SALOMIE, A., et al., "A Teleworking Tool With Progressive Transmission Capabilities for Medical Images", <u>CARS '99 Computer Assisted Radiology and Surgery. Proceedings of the 13th International Congress and Exhibition, (Abstract Only)</u> , (1999), 1 pg.	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>09/945,479</td> </tr> <tr> <td>Filing Date</td> <td>August 31, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Hu, Hui</td> </tr> <tr> <td>Group Art Unit</td> <td>2153</td> </tr> <tr> <td>Examiner Name</td> <td>Lim, Krisna</td> </tr> </table>	Application Number	09/945,479	Filing Date	August 31, 2001	First Named Inventor	Hu, Hui	Group Art Unit	2153	Examiner Name	Lim, Krisna
Application Number	09/945,479										
Filing Date	August 31, 2001										
First Named Inventor	Hu, Hui										
Group Art Unit	2153										
Examiner Name	Lim, Krisna										
Sheet 11 of 11	Attorney Docket No: 543.019US1										

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SAMOTHRAKIS, S. , et al., "WWW Creates New Interactive 3D Graphics and Collaborative Environments for Medical Research and Education", <u>International Journal of Medical Informatics</u> , 47(1-2), (1997),69-73	
		SANTARELLI, M. F., et al., "A Parallel System for Dynamic 3D Medical Imaging", <u>Proceedings of High-Performance Computing and Networking. International Conference and Exhibition, (Abstract Only)</u> ,(1997),1 pg.	
		SILVERSTEIN, et al., "Web-Based Segmentation and Display of Three-Dimensional Radiologic Image Data", <u>Stud Health Technol Inform.</u> , 50, (1998),53-59	
		SMITH, P. H., et al., "Data and Visualization Corridors: Report on the 1998 DVC Workshop Series", Rosedale, California Institute of Technology Report CACR - 164,(September, 1998),54 Pages	
		WILKINSON, E. P., et al., "Remote-Rendered 3D CT Angiography (3DCTA) as an Intraoperative Aid in Cerebrovascular Neurosurgery", <u>Computer Aided Surgery</u> , 4, (1999),256-263	
		WONG, S. T., et al., "Interactive Query and Visualization of Medical Images on the World Wide Web", http://web.archive.org/20000412115341/http://www.lri.ucsf.edu/polymap/paper/spie96.html (Archived April 12, 2000), 11 pages	
		YUN, D. Y., et al., "Sharing Computational Resources and Medical Images Via ACTS-Linked Networks", PTR June 1996, http://web.ptc.org/library/ptr/june96/2.html , observed November 3, 2003,14 pages	
		ZUIDERVELD, K. J., et al., "Clinical Evaluation of Interactive Volume Visualization", <u>Proceedings of the 7th Conference on Visualization '96</u> , (1996),367-370	

EXAMINER

DATE CONSIDERED